

# Hydrotech® Gardendrain® GR25

formerly known as Gardendrain® GR25



BUILDING TRUST



## GENERAL DESCRIPTION

Gardendrain GR25 is a composite product made of recycled polypropylene core with a fleece top cover fabric and a non-woven bottom fabric. All three components are bonded together in a single component that is designed for aeration, retention and promoting upward moisture movement.

## BASIC USE

Gardendrain GR25 is specifically designed to act as a drainage, aeration, and water retention element in Hydrotech's Garden Roof® Assembly.



## INSTALLATION

- Gardendrain GR25 is installed as indicated in Hydrotech's Garden Roof Installation Guidelines.
- Gardendrain GR25 must be installed white fleece side up.
- Gardendrain GR25 is a roll product with a 3-4" wide flap of extra top fleece along one edge and at the roll end. When installed, the flap edge is lapped over the top surface of the adjacent GR25 roll.

## TECHNICAL DATA

ROLL SIZE:	48" wide x 50 ft. long (1.22 m x 15.24 m) (200 SF coverage per roll)
ROLL WEIGHT:	88 lbs. (38 kg)
THICKNESS:	Core alone: 1.0 inches (25.4mm) With fabrics: 1.05 inches approx. (27.5 mm approx.)
FLOW RATE:	30 gal/minute/ft (372 l/min/m) (ASTM D-4716; hydraulic gradient = 1)
WATER RETENTION:	Core alone: 0.050 gal/square foot - 2.02 l/square meter (8% [ASTM 2397]) With fabrics: 0.070 gal/square foot (est.) - 2.852 l/square meter (10.7% [ASTM 2397])
COMPRESSIVE STRENGTH:	9,500 psf (455 kNm <sup>2</sup> ) (ASTM D-1621)
COVER FABRIC WEIGHT:	100 grams / square meters (ASTM D3776)
COVER FABRIC GRAB TENSILE:	70 / 75 lbs (ASTM D5034)
COVER FABRIC GRAB ELONGATION:	40% (ASTM D5034)
COVER FABRIC GRAB PUNCTURE:	238 lbs (ASTM D6241)
BOTTOM FABRIC WEIGHT:	129 grams / square meter (ASTM D3776)
BOTTOM FABRIC GRAB TENSILE:	100 lbs (ASTM D5034)
BOTTOM FABRIC GRAB ELONGATION:	60% (ASTM D5034)
BOTTOM FABRIC CBR PUNCTURE:	250 lbs (ASTM D6241)

LEED® INFORMATION

	Credit 4	Credit 5
Recycled Content (% by weight)	50 (pre-consumer) core <5 (pre-consumer) fabric	
Manufacture Location		Alpharetta, GA
Extraction/Harvesting Location		Alpharetta, GA

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